

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/581,832	RICHARD, MATTHIEU	
	<b>Examiner</b>	<b>Art Unit</b>	
	FRANCIS M. LEGASSE JR	2878	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response and admendment filed 20 September 2010.
2. ☒ The allowed claim(s) is/are 1,3,4,6 and 8-12.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application   |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>2010930</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                        |
|  | 9. <input type="checkbox"/> Other _____.  |

/Thanh X Luu/  
Primary Examiner, Art Unit 2878

## **EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

### ***Response to Arguments***

Applicant's arguments, see Remarks, filed 20 September 2010, with respect to claims 1, 3, 4, 6 and 8-12 have been fully considered and are persuasive. The 35 USC 102(b) and 35 USC 103(a) rejections of claims 1, 3, 4, 6 and 8-12 have been withdrawn.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney I. Zborovsky on 30 September 2010.

The application has been amended as follows:

#### **PLEASE AMEND TO CLAIM 1**

**CLAIM 1** An intrusion detector including a sensor arrangement for detecting a liquid (C) applied on an exposed surface (100, 120, 160, 170) to render the intrusion detector inoperable, the sensor arrangement comprising:

at least one transparent elevation (12, 22, 32, 42, 52, 62, 72) formed on the exposed surface (100, 120, 160, 170), wherein the transparent elevation (12, 22, 32, 42, 52, 62, 72) is made of a first transparent material (B), wherein at least one first facet (110, 111, 171, 172, 181) of the transparent elevation (12, 22, 32, 42, 52, 62, 72)

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defines a first angle ( $\alpha$ ,  $\beta$ ) with the exposed surface (100, 120, 160, 170), and wherein the first angle ( $\alpha$ ,  $\beta$ ) is larger than an angle at which a total reflection occurs at an interface of the first transparent material (B) and air (A) and is smaller than an angle at which a total reflection occurs at an interface of the first transparent material (B) and the liquid (C) applied on the exposed surface to render the intrusion detector inoperable;

at least one second elevation (12, 22, 32, 42, 52, 62, 72; 79) having a second facet (179) formed adjacent to the first facet (110, 111, 171, 172, 181) of the transparent elevation (12, 22, 32, 42, 52, 62, 72), wherein the second facet (179) defines a second angle with the exposed surface (100, 120, 160, 170), which second angle is larger than  $75^\circ$  in order to enhance capillarity effects of the liquid (C) applied on the exposed surface to render the intrusion detector inoperable;

a light source (13, 23, 33, 43, 53, 63, 73) arranged for emitting an incident ray (r) into a first direction such that the incident ray (r) passes through the exposed surface (100, 120, 160, 170) into one of the transparent elevation (12, 22, 32, 42, 52, 62, 72) and the second elevation (12, 22, 32, 42, 52, 62, 72; 79), such that in a presence of the liquid (C) at one of the first facet (110, 111, 171, 172) and the second facet (179), the incident ray is transmitted through the first facet (110, 111, 171, 172) or the second facet (179), wherein in an absence of the liquid (C), the incident ray is reflected due to a total reflection at the first facet (110, 111, 171, 172) or the second facet (179); and

a light detector (14, 24, 34, 44, 54, 64, 74) for detecting the reflected incident ray (r') at one of the first facet and the second facet ~~and~~ to recognize that the liquid (C) is applied to the exposed surface to render the intrusion detector inoperable.

***Allowable Subject Matter***

**Claims 1, 3, 4, 6 and 8-12 are allowed over the prior art of record.**

The following is an examiner's statement of reasons for allowance:

**Regarding claim 1**, the prior art of record fails to teach alone or in combination an intrusion detector including a sensor arrangement for detecting a liquid (C) applied on an exposed surface (100, 120, 160, 170) to render the intrusion detector inoperable, the sensor arrangement comprising, along with the other claimed features, at least one second elevation (12, 22, 32, 42, 52, 62, 72; 79) having a second facet (179) formed adjacent to the first facet (110, 111, 171, 172, 181) of the transparent elevation (12, 22, 32, 42, 52, 62, 72), wherein the second facet (179) defines a second angle with the exposed surface (100, 120, 160, 170), which second angle is larger than 75° in order to enhance capillarity effects of the liquid (C) applied on the exposed surface to render the intrusion detector inoperable a light detector (14, 24, 34, 44, 54, 64, 74) for detecting the reflected incident ray (r') at one of the first facet and the second facet to recognize that the liquid (C) is applied to the exposed surface to render the intrusion detector inoperable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANCIS M. LEGASSE JR whose telephone number is (571)272-9798. The examiner can normally be reached on Monday thru Thursday 9:00 am to 7:30 pm E.S.T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on (571) 272-2328. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Francis M LeGasse Jr/  
Examiner, Art Unit 2878

/Thanh X Luu/  
Primary Examiner, Art Unit 2878